



04-01-02

Docket No. ROC920010202US1

2661

#3

04.10.2

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Re: Inventor(s): William John Goetzinger, Glen Howard Handlogten, James Francis Mikos and David Alan Norgaard  
Title: EMPTY INDICATORS FOR WEIGHTED FAIR QUEUES  
Serial No.: 10/002,085  
Filed: November 1, 2001  
Examiner: Unknown  
Group Art Unit: 2661

RECEIVED

APR 04 2002

Technology Center 2600

Transmitted herewith is:

Information Disclosure Statement  
 PTO Form 1449 with seven cited references  
 Return Postcard

## FEE CALCULATION

Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	N/A	- 20 =	-0-	X \$18.00	\$0.00
Independent Claims	N/A	- 3 =	-0-	X \$84.00	\$0.00
Basic Filing Fee				\$740.00	\$0.00
<b>TOTAL FEES</b>					<b>\$0.00</b>

The Commissioner is hereby authorized to charge \$0.00 to Deposit Account No. 04-1696.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1696. A duplicate copy of this transmittal is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Express Mail Receipt No. EUI47832168US

Date of Deposit: March 29, 2002

Signature: Brian M. Dugan

Respectfully submitted,

Brian M. Dugan  
Registration No. 41,720  
(914) 332-9081

Express Mail Label No. EU147832168US

PATENTS  
ROC920010202US1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : William John Goetzinger, Glen Howard Handlogten, James Francis Mikos and David Alan Norgaard

Serial No. : 10/002,085

Filed : November 1, 2001

For : EMPTY INDICATORS FOR WEIGHTED FAIR QUEUES

Group Art Unit : 2661

Hon. Assistant Commissioner  
for Patents  
Washington, D.C. 20231

**RECEIVED**

APR 04 2002

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97,  
applicants wish to call the attention of the Examiner to the  
following references:

U.S. Patent Application Serial No. 10/015,994, filed  
November 1, 2001, titled "Weighted Fair Queue Serving Plural  
Output Ports"

U.S. Patent Application Serial No. 10/015,760, filed November 1, 2001, titled "Weighted Fair Queue Having Adjustable Scaling Factor"

U.S. Patent Application Serial No. 10/016,518, filed November 1, 2001, titled "Weighted Fair Queues Having Extended Effective Range"

U.S. Patent Application Serial No. 10/004,373, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Peak Service Distance Using Next Peak Service Time Violated Indication"

U.S. Patent Application Serial No. 10/002,416, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service with Aging Time Stamps"

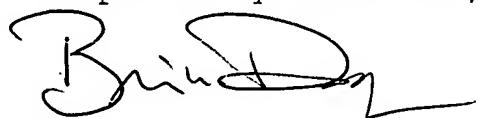
U.S. Patent Application Serial No. 10/004,440, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service with Cached Status Array"

U.S. Patent Application Serial No. 10/004,217, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service Anticipating the End of a Chain of Flows"

These references are also listed on the accompanying Information Disclosure Statement (Form PTO-1449) and copies are enclosed.

Consideration of the foregoing in relation to this  
patent application is respectfully requested.

Respectfully Submitted,



Brian M. Dugan, Esq.  
Registration No. 41,720  
Dugan & Dugan, LLP  
Attorneys for Applicants  
(914) 332-9081

Dated: March 29, 2002  
Tarrytown, New York

U.S. Department of Commerce, Patent and Trademark Office					Docket No.:	Serial No.:		
					ROC920010202US1	10/002,085		
O I P E LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)					Applicants:			
					William John Goetzinger, et al			
					Filing Date:	Group:		
					November 1, 2001	2661		
U.S. Patent Documents								
*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
Foreign Patent Documents							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR	U.S. Patent Application Serial No. 10/004,217, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service Anticipating the End of a Chain of Flows"						
	AS							
	AT							
Examiner			Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Department of Commerce, Patent and Trademark Office

Docket No.: ROC920010202US1

Serial No.: 10/002,085

## LIST OF RELEVANT ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant(s):

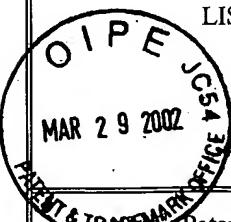
William John Goetzinger et al.

Filing Date:

11/01/01

Group:

2661



## Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

APR 04 2002

Technology Center 2600

## Foreign Patent Documents

Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	U.S. Patent Application Serial No. 10/015,994, filed November 1, 2001, titled "Weighted Fair Queue Serving Plural Output Ports"
AS	U.S. Patent Application Serial No. 10/015,760, filed November 1, 2001, titled "Weighted Fair Queue Having Adjustable Scaling Factor"
AT	U.S. Patent Application Serial No. 10/016,518, filed November 1, 2001, titled "Weighted Fair Queue Having Extended Effective Range"

Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office		Docket No.: ROC920010202US1	Serial No.: 10/002,085
O I P E LIST OF RELEVANT ART CITED BY APPLICANT (Use several sheets if necessary)		Applicants: William John Goetzinger, et al	
		Filing Date: November 1, 2001	Group: 2661



## U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						RECEIVED
	AH						APR 04 2002
	AI						
	AJ						Technology Center 2600
	AK						

## Foreign Patent Documents

Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	U.S. Patent Application Serial No. 10/004,373, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Peak Service Distance Using Next Peak Service Time Violated Indication"
AS	U.S. Patent Application Serial No. 10/002,416, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service with Aging Time Stamps"
AT	U.S. Patent Application Serial No. 10/004,440, filed November 1, 2001, titled "QoS Scheduler and Method for Implementing Quality of Service with Cached Status Array"

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.